

REMARKS

In the Office Action, Claims 1-29 were examined. Claims 1-10 stand rejected and Claims 11-29 were allowed. In response to the Office Action, Claims 1-10, 21 and 26 are amended, no claims are cancelled and no claims are added. Applicant respectfully requests reconsideration of pending Claims 1-29, in view of the following remarks.

I. Objection to the Abstract

The Examiner has objected to the Abstract for containing an undefined acronym; namely, "SIMD." In response Applicant has amended the Abstract to define the acronym and comply with the maximum 150-word requirement. A replacement Abstract is attached hereto.

II. Claims Rejected Under 35 U.S.C. §101

The Examiner rejects Claims 1-10 under 35 U.S.C. §101 because the claimed invention is directed to non-statutory subject matter. Applicant respectfully traverses this rejection.

In response, Applicant has amended the preambles of Claims 1 and 7 to recite:

An article comprising a machine readable medium that stores data representing a predetermined function, the predetermined function comprising:

Accordingly, Applicant respectfully submits that Claims 1 and 7, as amended, are directed to statutory subject matter, as required by 35 U.S.C. §101. Accordingly, Applicant respectfully requests that the Examiner reconsider and withdraw the rejection of Claims 1 and 7 under 35 U.S.C. §101.

Regarding Claims 2-6 and 8-10, Claims 2-6 and 8-10, based on their dependency from Claims 1 and 7, respectively, are now directed to statutory subject matter. Consequently, Applicant respectfully requests that the Examiner reconsider and withdraw the §101 rejection of Claims 2-6 and 8-10.

Regarding new Claims 30-33, new Claims 30-33 recite patentable claim features, which are neither taught nor suggested by the references of record. Accordingly, Applicants respectfully request that the Examiner allow new Claims 30-33.

III. Allowable Subject Matter

Applicant notes with appreciation the Examiner's indication that Claims 11-29 are allowed.

CONCLUSION

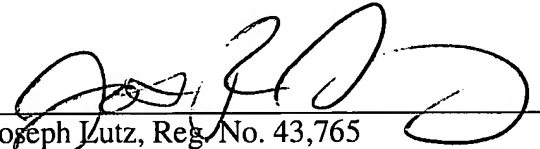
In view of the foregoing, it is believed that all claims now pending patentably define the subject invention over the prior art of record and are in condition for allowance, and such action is earnestly solicited at the earliest possible date.

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 02-2666 for any additional fees required under 37 C.F.R. §§ 1.16 or 1.17, particularly, extension of time fees.

Respectfully submitted,

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Dated : November 15 2004

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CERTIFICATE OF MAILING:

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail, with sufficient postage, in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on November 15,

2004

Marilyn Bass November 15, 2004